

## CLAIMS

1. A television program recording method comprising:  
using a portable information terminal for obtaining television program reservation information from an Internet, an electronic mail or directly entered by a user, recording the television program reservation information on a memory card inserted in the portable information terminal; and  
using a television program recording device having a card slot for loading the memory card with information recorded by the portable information terminal, wherein the device automatically recognizes the insertion of the memory card, analyzes the information written on the memory card, and, if the information contains the television program reservation information, sets a timer to one of starting times of the television program reservation information, which is nearest to the actual time, to record the timer set program.

2. A television program recording method as defined in claim 1, wherein the actual time of the portable information terminal is also written on the memory card, and, when the actual time information written on the memory card is detected by the television program recording device, the actual time of the recording device is automatically updated according to the actual time

of the memory card with priority.

3. A television program reproducing method capable of reproducing a television program recorded on the memory card inserted in a slot of a portable information terminal by using the television program recording method defined in claim 1 or 2.

4. A portable information terminal used for implementing the television program recording method defined in claim 1 or 2 and for implementing the television program reproducing method defined in claim 3, comprising a means for writing television reservation program information on a memory card, said information obtained from an Internet or an electronic mail or directly entered by a user, and a means for reproducing a television program, which has been recorded on the memory card by a television program recording device.

5. A television program recording device comprising a card slot for inserting a memory card with television program reservation information written thereon by a portable information terminal, a means for automatically recognizing the insertion of the memory card into the card slot and analyzing the information written on the memory card, a means for setting a timer to one of start times of the television program reservation information, said time being closest to the actual time based on the analysis of the information written on the memory card,

and a means for recording the timer set television program on the inserted memory card at the time set on the timer, which device is used for implementing the television program recording method defined in claim 1 or 2.

6. A television program recording device as defined in claim 5, wherein an LED indicator for timer setting/error indicating is provided and lights when the timer is set to the start time of the television program reservation information and indicates that the timer setting is completed.

7. A television program recording device as defined in claim 5 or 6, wherein a display portion is provided for automatically displaying the actual time and timer setting information containing date, hour and minute information, and program title information on completion of the timer setting.

8. A television program recording device as defined in claim 7, wherein said device further comprises an LED indicator for power source/recording indicating and, when the actual time coincides with the time set on the timer, starts recording a reserved television program on the memory card at the time, causes at the same time the LED indicator to flash for indicating the program being recorded, and, when recording the reserved television program ends, turns the LED indicator to

constantly light for indicating the power supply being ON, clears off the timer setting information on the display portion, informs the completion of recording the program, examines whether another program reservation information, and, if the information is found, sets the timer to the program start time and causes the LED indicator for timer setting/error indicating to light for indicating the completion of the timer setting.

9. A television program recording device as defined in any one of claims 6 to 8, wherein in the event of prohibiting recording on the memory card or in the event of shortage in capacity of the memory card while recording the program thereon, the device stops the recording and causes the LED indicator for timer setting/error indicating to flash for indicating the occurrence of an error.

10. A television program recording device as defined in any one of claims 6 to 8, wherein in the event of absence of an input image at the beginning or in the course of recording the reserved program, the device stops the recording and causes the LED indicator for timer setting/error indicating to flash for indicating the occurrence of an error.

11. A television program recording device as defined in claim 9 or 10, wherein an error content is displayed on the display portion simultaneously with the error

indication by the LED indicator.

12. A television program recording device as defined in any one of claims 5 to 11, wherein in the event of removal of the memory card from the card slot during the recording operation, the device detects the removal of the memory card and cancels the timer setting.